

**Lockheed Martin Missiles and Fire Control**  
5600 Sand Lake Road, MP-186 Orlando, FL 32819-8907  
Telephone 407-356-2415 Facsimile 407-356-5672

**LOCKHEED MARTIN**



Br 2

**Margaret Doudy**  
Assistant General Counsel  
margaret.l.doudy@lmco.com

June 1, 2011

U.S. Nuclear Regulatory Commission  
Region I  
475 Allendale Road  
King of Prussia, PA 19406-1415

03036719

RECEIVED  
MAY 10 5 11

RE: Amendment to NRC Radioactive Materials License # 09-30973-01

To Whom It May Concern:

Please amend the Nuclear Regulatory Commission Radioactive Materials License 09-30973-01 to reflect Ms. Megan Sandy as the new Radiation Safety Officer (RSO). This modification is already reflected in Lockheed Martin's State of Florida Radioactive Material License number 3137-2. Enclosed is Ms. Sandy's resume and RSO training credentials. You will note that the RSO certificate is in the name of Megan Schoenleben. Schoenleben is Ms. Sandy's former name.

Please let me know if you have any additional questions.

With Regards,

Margaret Doudy

Enclosures:

- State of Florida Radioactive Material License number 3137-2
- Ms. Sandy's Resume
- Ms. Sandy's RSO Certification

575302  
NMSS/RGN1 MATERIALS-002



**Applied HEALTH PHYSICS, Inc.**

## **CERTIFICATE OF RADIOLOGICAL TRAINING**

*This is to certify that*

**Megan Schoenleben**

*has successfully completed the*

**24-HOUR RADIATION SAFETY OFFICER TRAINING COURSE  
INCLUDING INSTRUCTION AS REQUIRED BY NUREG-1556  
VOLUME 4, APPENDIX G AND 49 CFR 172, SUBPART H**

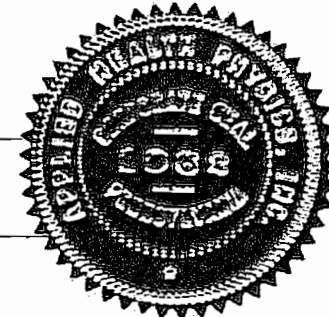
*presented by Applied Health Physics, Inc.*

*July 16<sup>th</sup> through July 18<sup>th</sup>, 2007*

  
\_\_\_\_\_  
Todd Y. Mobley  
Director, Technical Services

July 18, 2007  
Date

July 18, 2010  
Expiration Date



# Megan Elizabeth Schoenleben

## **Educational Background**

University of South Florida

December 2006

Tampa, FL

West Virginia University

May 2004

Morgantown, WV

MS in Occupational Hygiene and Occupational Safety

Fairmont State College

May 2000

Fairmont, WV

BS in Safety/Environmental Engineering Technology

## **Professional Experience**

Lockheed Martin Missiles and Fire Control

April 2005-Present

Orlando, FL

*Senior Industrial Hygienist*

- Maintained 16 safety/IH programs including Laser Safety, Radiation Safety, Ergonomics and Respiratory Protection.
- Supported Industrial Hygiene efforts at 5 off-sites with monitoring and technical guidance.
- Reviewed contractor safety programs and construction plans.
- Conducted all chemical and noise monitoring, ventilation and radiation surveys and investigated all IAQ concerns.
- Performed Job Safety Analyses for the entire Orlando facility.

Walt Disney World Company

Feb 2003-Jan 2005

Orlando, FL

*Safety & Health Technical Manager*

- Responsible for the management of employee and guest safety within assigned areas of WDW. Areas supported include the Animal

Kingdom theme park, Celebration offices, Maingate building and Animal Programs.

- Day to day support of Executive Leadership teams in executing the WDW safety programs and policies.
- Technical guidance for compliance to regulatory agencies such as OSHA, NFPA and CPSC.

CPC Aeroscience  
July 2001-Feb 2003  
Pompano, FL  
*Environmental Health & Safety Manager*

- Responsible for the development and implementation of corporate safety programs leading to accident prevention and OSHA, DOT, NFPA and EPA compliance
- Assisted the facility in managing 80+ employees.
- Conducted weekly air-sampling campaigns for various solvents and dusts following NIOSH and OSHA protocols.
- Designed a ventilation system to control the exposures to methylene chloride.
- Set a 2 year plan into action to allow CPC to reach VPP star certification

National Institute for Occupational Safety and Health  
Oct 1999 – October 2000  
Morgantown, WV  
*Physical Science Technician*

- Contributed to a large intergovernmental project concluding the acute physiological effects of jet fuel on workers
- Developed a field method to test the efficiency of respirator filters
- Tested the performance of N, R & P filters against diesel exhaust

### **Professional Organizations**

- American Society of Safety Engineers
- American Industrial Hygiene Association
- AIHAFL

### **Abstracts/Publications**

- Berardinelli, S., Sandy, M., Martin, S., & Moyer E. **PERFORMANCE OF N, R & P SERIES FILTERS AGAINST DIESEL EXHAUST.** NIOSH/DRDS/LRB, Morgantown, WV.
- Moyer, E., Sandy, M., Clegg, J. **A FIELD TEST FOR DETERMINING RESPIRATOR FILTER EFFICIENCY.** NIOSH/DRDS/LRB, Morgantown, WV.

### **Additional Continuing Education Courses/Certificates**

- **Principles of Lasers and Laser Safety (Rockwell)**
- **Laser Safety Awareness (LIA)**
- **Laser Safety Officer (LIA)**
- **Radiation Safety Officer (Applied Health Physics)**

STATE OF FLORIDA  
DEPARTMENT OF HEALTH  
BUREAU OF RADIATION CONTROL

RADIOACTIVE MATERIALS LICENSE

Pursuant to Chapter 404, Florida Statutes, and Chapter 64E-5, Florida Administrative Code (F.A.C.), and in reliance on statements and representations heretofore made by the licensee designated below, a license is hereby issued authorizing such licensee to receive, acquire, possess and transfer the radioactive material(s) designated below and to use such radioactive material(s) for the purpose(s) and at the place(s) designated below. This license is subject to all applicable rules, regulations and orders of the state of Florida, Department of Health now or hereafter in effect and to any conditions specified below.

<p style="text-align: center;">Licensee</p> <p>1. Name: <b>LOCKHEED MARTIN CORPORATION</b></p>	<p>3. License Number: <b>3137-2</b></p> <p>is hereby amended in its entirety with reference to correspondence dated October 11, 2010.</p>
<p>2. Address: <b>Missiles &amp; Fire Control Legal Dept MP186 5600 Sand Lake Road Orlando, FL 32819-8907</b></p>	<p>4. Expiration Date: <b>3/31/2011</b></p> <p>5. Category: <b>3A</b></p>

6. Radioactive Material (element and mass number)	7. Chemical And/Or Physical Form	8. Maximum Quantity Licensee May Possess At Any One Time
A. Americium 241	A. Plated sources (QSA Global Model AMM)	A. 200 sources; not to exceed 4 microcuries each
B. Americium 241	B. Plated sources (QSA Global Model AMM)	B. 10 sources; not to exceed 4.5 microcuries each
C. Americium 241	C. Plated sources (QSA Global Model AMM)	C. 100 sources; not to exceed 4 microcuries each
D. Americium 241	D. Plated sources (QSA Global Model AMM or AMM.1001H)	D. 400 sources; not to exceed 5 microcuries each
E. Radioactive material distributed to a general licensee per 64E-5 .206(1) and (4), F.A.C.	E. Sealed and/or plated sources	E. No single source to exceed that quantity authorized for the general license

License Number: 3137-2  
Amendment No.: 23  
Control Number: 20101015-1846

**LICENSEE COPY**  
Page 1 of 7 Page(s)

Category: [3A]  
Expiration Date: 3/31/2011

STATE OF FLORIDA  
DEPARTMENT OF HEALTH  
BUREAU OF RADIATION CONTROL

6. Radioactive Material (element and mass number)	7. Chemical And/Or Physical Form	8. Maximum Quantity Licensee May Possess At Any One Time
F. Americium 241	F. Plated sources (QSA Global Model AMM.1001H)	F. 400 sources; not to exceed 5 microcuries each. Total possession limit of 2000 microcuries
G. Americium 241	G. Foil sources (QSA Global Model AMM)	G. 100 sources: not to exceed 4 microcuries each
H. Hydrogen 3	H. Sealed Source (BetaBatt, Inc. custom source)	H. 10 sources, not to exceed 50 curies each
I. Nickel 63	I. Foil source (Isotope Products Laboratories, Models NER-004 and NER-004P)	I. 25 sources; not to exceed 50 millicuries each
J. Americium 241	J. Foil sources (QSA Global Model AMM.1001H)	J. 200 sources; not to exceed 6 microcuries each
K. Hydrogen 3	K. Tritiated metal hydride (custom source)	K. 25 sources, not to exceed 100 curies each
L. Hydrogen 3	L. Tritide metal foil	L. 25 sources, not to exceed 80 millicuries each
M. Americium 241	M. Foil sources (QSA Global Model AMM)	M. 200 sources; not to exceed 6 microcuries each

**9. Authorized Use**

- A. Pursuant to 64E-5.210(14), F.A.C., the licensee is authorized to distribute devices containing sources to persons specifically licensed and in accordance with this license and the Sealed Source and Device Registry (SSDR) Number as listed in the table below. To be used for research and development as defined in 64E-5.101(128), F.A.C., and for manufacturer demonstrations and installation. LANTIRN Program.
- B. Pursuant to 64E-5.210(14), F.A.C., the licensee is authorized to distribute devices containing sources to persons specifically licensed and in accordance with this license and the Sealed Source and Device Registry (SSDR) Number as listed in the table below. To be used for research and development as defined in 64E-5.101(128), F.A.C., and for manufacturer demonstrations and installation. NITEHAWK Program

License Number: 3137-2  
Amendment No.: 23  
Control Number: 20101015-1846

**LICENSEE COPY**  
Page 2 of 7 Page(s)

Category: [3A]  
Expiration Date: 3/31/2011

STATE OF FLORIDA  
DEPARTMENT OF HEALTH  
BUREAU OF RADIATION CONTROL

**9. Authorized Use**

- C. Pursuant to 64E-5.210(14), F.A.C., the licensee is authorized to distribute devices containing sources to persons specifically licensed and in accordance with this license and the Sealed Source and Device Registry (SSDR) Number as listed in the table below. To be used for research and development as defined in 64E-5.101(128), F.A.C., and for manufacturer demonstrations and installation. TARGET SITE SYSTEM (TSS) Program
- D. Pursuant to 64E-5.210(14), F.A.C., the licensee is authorized to distribute devices containing sources to persons specifically licensed and in accordance with this license and the Sealed Source and Device Registry (SSDR) Number as listed in the table below. To be used for research and development as defined in 64E-5.101(128), F.A.C., and for manufacturer demonstrations and installation. SNIPER/PANTERA Program.
- E. To be used in devices approved for receipt under general license provisions as described in Items 6, 7 and 8.
- F. Pursuant to 64E-5.210(14), F.A.C., the licensee is authorized to distribute devices containing sources to persons specifically licensed and in accordance with this license and the Sealed Source and Device Registry (SSDR) Number as listed in the table below. To be used for research and development as defined in 64E-5.101(128), F.A.C., and for manufacturer demonstrations and installation. JOINT STRIKE FIGHTER ELECTRO-OPTICAL TARGETING SYSTEM (JSF EOTS) AND THE SNIPER/ATP/PANTERA TARGETING SYSTEM.
- G. Pursuant to 64E-5.210(14), F.A.C., the licensee is authorized to distribute devices containing sources to persons specifically licensed and in accordance with this license and the Sealed Source and Device Registry (SSDR) Number as listed in the table below. To be used for research and development as defined in 64E-5.101(128), F.A.C., and for manufacturer demonstrations and installation. GUNSHIP MULTISPECTRAL SENSOR SYSTEM (GMS2).
- H. To be used for research and development as defined in 64E-5.101(128), F.A.C., and for possession, use, storage, and development of custom device, betacell batteries. Distribution of this source is prohibited.
- I. To be used for research and development as defined in 64E-5.101(128), F.A.C. and for possession, use, storage, development, and demonstration of the Widetronix/IPL Battery "BeBattery". Distribution of this source is prohibited.
- J. To be used in static eliminators for the Laser Target Designator/Ranger Series for research and development as defined in 64E-5.101(128), F.A.C. and for manufacturer demonstrations. MODERNIZED TARGET ACQUISITION DESIGNATION SIGHT AND PILOT NIGHT VISION SYSTEM (M-TADS/PNVS).
- K. To be used in City Labs, Inc. custom device Model P100 isotope, ionization batteries for research, development, and evaluation as defined in 64E-5.101(128), F.A.C. Distribution of this source is prohibited.

License Number: 3137-2  
Amendment No.: 23  
Control Number: 20101015-1846

**LICENSEE COPY**  
Page 3 of 7 Page(s)

Category: [3A]  
Expiration Date: 3/31/2011



**STATE OF FLORIDA**  
**DEPARTMENT OF HEALTH**  
**BUREAU OF RADIATION CONTROL**

**9. Authorized Use**

- L. To be used for research and development as defined in 64E-5.101(128), F.A.C. and for possession, use, storage, development, and demonstration of the Widetronix, Inc., Battery "Tricell-25". Distribution of this source is prohibited.
- M. To be used in static eliminators for the Laser Target Designator/Ranger Series for research and development as defined in 64E-5.101(128), F.A.C. and for manufacturer demonstrations. BRIGADE COMBAT TEAM MODERNIZATION (BCTM) UNMANNED GROUND VEHICLE (UGV).

Device Model and Name-Description	Isotope	Maximum Activity + % tolerance (microcuries)	Sealed Source Model Numbers Authorized	Type of Customer's Radioactive Materials License Required	SSDR Number	Latest SSDR Issuance / Amendment in it's Entirety Revision and Amendment Dates
Laser Target Designator/ Ranger Series NITEHAWK	Two, Am 241 sources	4.5 ± 10% each source	Amersham Holdings, Inc. Model AMM	Specific	FL-1116-D-101-S	Revision 7 10/02/2007
Laser Target Designator/ Ranger Series LANTIRN	Two, Am 241 sources	4.0 ± 10% each source	Amersham Holdings, Inc. Model AMM	Specific	FL-1116-D-101-S	Revision 7 10/02/2007
Laser Target Designator/ Ranger Series SNIPER/ PANTERA	Two, Am 241 sources	4.0 – 5.5 ± 10% each source	Amersham Holdings, Inc. Model AMM or AMM.1001H	Specific	FL-1116-D-101-S	Revision 7 10/02/2007
Laser Target Designator/ Ranger Series TARGET SITE SYSTEM (TSS)	Two, Am 241 sources	4.0 ± 10% each source	Amersham Holdings, Inc. Model AMM	Specific	FL-1116-D-101-S	Revision 7 10/02/2007
Laser Target Designator/ Ranger Series GUNSHIP MULTISPECTRAL SENSOR SYSTEM (GMS2)	Two, Am 241 sources	4.0 ± 10% each source	Amersham Holdings, Inc. Model AMM	Specific	FL-1116-D-101-S	Revision 7 10/02/2007

License Number: 3137-2  
 Amendment No.: 23  
 Control Number: 20101015-1846

**LICENSEE COPY**

Page 4 of 7 Page(s)

Category: [3A]

Expiration Date: 3/31/2011

STATE OF FLORIDA  
DEPARTMENT OF HEALTH  
BUREAU OF RADIATION CONTROL

10. A. The authorized place of use and storage shall be temporary job sites of the licensee throughout the State of Florida. This condition does not prohibit use in other Agreement States and States under the jurisdiction of the U.S. Nuclear Regulatory Commission under reciprocity, which has been approved by an Agreement State or the U.S. Nuclear Regulatory Commission.
- B. The authorized place of use and storage is the licensee's facility located at the address in Item 2.
11. Failure to comply with the provisions of this license is a felony of the third degree pursuant to section 404.161, Florida Statutes. Also, violations may warrant an administrative fine of up to \$1,000.00 per violation per day, pursuant to section 404.162, Florida Statutes.
12. A. Licensed materials shall be used by, or under the supervision of, individuals who have successfully completed the licensee's radiation safety, training program or training provided by Applied Health Physics. The licensee shall maintain documentation of training, to include valid training certificates, of each user for the duration of employment of the individual or 5 years, whichever is greater.
- B. The radiation safety officer is Megan Sandy.
13. The licensee shall comply with the provisions of Chapter 64E-5, F.A.C., Part IX, "Notices, Instructions and Reports to Workers; Inspections" and Part III, "Standards for Protection Against Radiation."
14. The licensee shall not transfer possession or control of radioactive material, or products containing radioactive material as a contaminant except:
- A. By transfer to a specifically licensed recipient; or
- B. As provided otherwise by specific provision of this license pursuant to the requirements of Chapter 64E-5, F.A.C.
15. Radioactive material transported on public thoroughfares shall be packaged, prepared for shipment and transported in accordance with Title 49, Code of Federal Regulations and Chapter 64E-5, F.A.C.
16. The licensee shall conduct a physical inventory and inspection at least every 12 months to account for all sealed sources received and possessed under this license as required by section 64E-5.1304, F.A.C. Inventory records shall be maintained for 3 years from the date of the inventory for inspection by the department, and shall include the manufacturer's name, model and serial numbers of each sealed source, the identity of each sealed source radionuclide and its estimated activity, the location of each sealed source, the date of the inventory and the signature of the radiation safety officer or designee.

License Number: 3137-2  
Amendment No.: 23  
Control Number: 20101015-1846

**LICENSEE COPY**  
Page 5 of 7 Page(s)

Category: [3A]  
Expiration Date: 3/31/2011

STATE OF FLORIDA  
DEPARTMENT OF HEALTH  
BUREAU OF RADIATION CONTROL

17. This license does not authorize the export of radioactive materials outside the United States.
18. The licensee shall notify the Bureau of Radiation Control at least 48 hours in advance of shipping its low-level radioactive waste to a commercial treatment, storage or disposal facility. Notification shall consist of either calling (407) 297-2095 or writing the Bureau of Radiation Control, Department of Health, Post Office Box 680069, Orlando, Florida 32868-0069.
19. For devices received under general license provisions, the licensee shall comply with the additional requirements listed in section 64E-5.1308, F.A.C. The licensee shall conduct physical inventories and inspections at intervals not to exceed 12 months to account for all sealed sources received and possessed under this provision. The licensee shall conduct tests for leakage or contamination at intervals not to exceed 6 months or at such other intervals as are specified on the label according to 64E-5.206(1) and (4), F.A.C.
20. The licensee shall maintain a surety or performance bond unto the State of Florida as specified by 64E-5.217, F.A.C. and correspondence dated August 14, 2009, in the amount of \$450,000.00.
21. A. Except as specifically provided otherwise by this license, the licensee shall possess and use licensed material described in Items 6, 7, 8 and 9 of this license in accordance with statements, representations and procedures contained in the licensee's application dated September 26, 2005, signed by Margaret Doudy, Paralegal, and correspondence dated:
  - June 6, 2005 (GMS2 description and facility diagrams);
  - June 22, 2005;
  - August 16, 2005 (source use clarification);
  - October 19, 2005 (incident notification and corrective action procedures);
  - December 8, 2005 (RSO duties, instruments, various clarifications);
  - August 1, 2007 (authorize dist. of the GMS2);
  - August 17, 2007 (add GMS2 to SSTR);
  - March 13, 2008 (R&D Widetronix/IPL BeBattery LT, and facility diagram); and
  - October 30, 2008 (add M-TADS/PNVS and City Labs P100, remove of SELRD and CATS, etc.);
  - July 28, 2009 (R&D Widetronix, Inc. "Tricell-25" & facility diagram);
  - August 14, 2009 (financial assurance - bond); and
  - June 7, 2010 (facility diagrams), all signed by Margaret Doudy.

License Number: 3137-2  
Amendment No.: 23  
Control Number: 20101015-1846

**LICENSEE COPY**  
Page 6 of 7 Page(s)

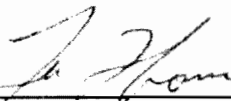
Category: [3A]  
Expiration Date: 3/31/2011

STATE OF FLORIDA  
DEPARTMENT OF HEALTH  
BUREAU OF RADIATION CONTROL

21. B. The licensee shall comply with all applicable requirements of Chapter 64E-5, Florida Administrative Code, and these regulations shall supersede the licensee's statements in applications or correspondence, unless the statements are more restrictive than the regulations.

For the Bureau of Radiation Control:

Issuance Date: NOV 0 1 2010

  
\_\_\_\_\_  
**Lee Thomas**  
**Environmental Specialist III**  
**4052 Bald Cypress Way – Bin C21**  
**Tallahassee, FL 32399-1741**  
**(850) 245-4545**

A party whose substantial interest is affected by this order may petition for an administrative hearing pursuant to sections 120.569 and 120.57, Florida Statutes. Such proceedings are governed by Rule 28-106, Florida Administrative Code. A petition for administrative hearing must be in writing and must be received by the Agency Clerk for the Department, within twenty-one (21) days from the receipt of this order. The address of the Agency Clerk is: Agency Clerk, 4052 Bald Cypress Way, BIN # A02, Tallahassee, Florida 32399-1703. The Agency Clerk's facsimile number is 850-410-1448. A copy of the petition should also be sent to: Bureau Chief, Bureau of Radiation Control, 4052 Bald Cypress Way, BIN # C21, Tallahassee, FL 32399-1741. The Bureau Chief's facsimile number is 850-487-0435. Mediation is not available as an alternative remedy. Your failure to submit a petition for hearing within 21 days from receipt of this order will constitute a waiver of your right to an administrative hearing, and this order shall become a "final order." Should this order become a final order, a party who is adversely affected by it is entitled to judicial review pursuant to Section 120.68, Florida Statutes. Review proceedings are governed by the Florida Rules of Appellate Procedure. Such proceedings may be commenced by filing one copy of a Notice of Appeal with the Agency Clerk of the Department of Health and a second copy, accompanied by the filing fees required by law, with the Court of Appeal in the appropriate District Court. The notice must be filed within 30 days of rendition of the final order.

License Number: 3137-2  
Amendment No.: 23  
Control Number: 20101015-1846

**LICENSEE COPY**  
Page 7 of 7 Page(s)

Category: [3A]  
Expiration Date: 3/31/2011

This is to acknowledge the receipt of your letter/application dated

6/11/2011, and to inform you that the initial processing which includes an administrative review has been performed.

AMEND. 09-30973-01  
There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

Please provide to this office within 30 days of your receipt of this card

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A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned **Mail Control Number** 575302.  
When calling to inquire about this action, please refer to this control number.  
You may call us on (610) 337-5398, or 337-5260.